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Application Serial No. 10/657,310
Amendment After Final Action dated February 13, 2006
Reply to Final Office Action dated November 30, 2005

Amendments to the Specification:

Please replace paragraph [0003] with the following amended paragraph:

[0003] The present invention provides a compressor having an improved shielding assembly for counterweight wherein the shielding is mounted to a bearing support for the shaft and has a generally cylindrical section for surrounding a counterweight. The shielding may include flexible tabs having inwardly bent portions for engaging a groove or recess on the bearing support and thereby mounting the shield to the bearing support.

Please replace paragraph [0006] with the following amended paragraph:

[0006] In such compressor assemblies, each of the plurality of flexible members may have has a distal end with a radially inwardly projecting portion wherein the inwardly projecting portions are engageable with a groove or recess defined by the bearing support and located proximate the bearing. The bearing support may also include a substantially cylindrical central portion wherein the bearing is mounted within the central portion and the oil shield fixedly engages an outer surface of the central portion. A groove or recess for engaging inwardly projecting portions of the flexible members may be located on the outer surface of the central portion. The counterweight may be disposed on a rotor rotationally coupled to the shaft.

Please replace paragraph [0020] with the following amended paragraph:

[0020] As mentioned above, shaft 46 is rotatably supported by ball bearing 64 which is mounted in bearing support 66. Bearing support 66 includes a substantially cylindrical central portion or boss 112 which defines a substantially cylindrical opening 114 in which ball bearing 64 is mounted. A retaining ring 118 is fitted within a groove 116 located in the interior of opening 114 to retain ball bearing 64 within boss 112. An oil shield 120 is secured to boss 112 and has a cylindrical portion 122 which extends towards motor 90 therefrom. Counterweight 106 is disposed within the space circumscribed by cylindrical portion 122 and is thereby shielded from the oil located in oil sump 58, although it is expected that the oil level 123 will be below oil shield 120 under most circumstances, as shown in Figure 4. Oil shield 120 is positioned so that

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it inhibits the impacting of counterweight 106 on oil migrating to oil sump 58 and also inhibits the agitation of oil within oil sump 58 which might be caused by the movement of refrigerant gas created by the rotation of eccentrically positioned counterweight 106. A second substantially cylindrical portion 124 of oil shield 120 has a smaller diameter than the first cylindrical portion 122 and has a plurality of longitudinally extending flexible members or tabs 126. Distal ends 128 of tabs 126 have radially inwardly projecting portions 130. Boss 112 includes a circular groove, or recess, 132 on its exterior surface and oil shield 120 is secured to boss 112 by positioning tabs 126 along the exterior surface of boss 112 with radially inwardly bent portions 130 extending into groove 132.

Please replace paragraph [0021] with the following amended paragraph:

[0021] A second embodiment of a bearing support 66' which may be used with the present invention is shown in Figure 5. Those features of bearing support 66' which are similar to the first embodiment use prime reference numerals wherein the reference numeral is the same as in the first embodiment. Figure 5 illustrates an exploded view of a bearing support 66', bearing 64, retaining clip 118 and oil shield 120. Bearing 64 is retained within boss 112' by engaging retaining clip 118 with groove 116'. Bearing support 66' is similar to bearing support 66 but does not include an integral extension on its rear surface for attaching an oil pick up tube. Instead, an assembly including an oil pick up tube and mechanism for pumping the oil is secured to the rear surface of bearing support 66'. Such oil pickup assemblies are well known in the art. Outer ring 136' and support arms 134' also differ from outer ring 136 and support arms 134 of bearing support 66 in that openings 104' do not intersect support arms 134'. Groove, or recess, 132 located on the exterior of boss 112 can be seen in Figure 6 which provides a side view of bearing support 66. Bearing support 66' includes a similar circular groove located on its exterior for engagement with inwardly bent portions 130. A cross sectional view illustrating the engagement of inwardly bent portions 130 with groove 132 is shown in Figure 7. Figures 8 and 9 provide additional views of oil shield 120.